

# M A T E R I A L   S A F E T Y   D A T A   S H E E T

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MSDS Number 100642B  
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## Section A - Product Identification

Product Name Evercoat Everfix Hardener

Product Number(s) 642B, 643B, and 644B

## Section B - Hazardous Ingredients

| INGREDIENT                             | CAS NUMBER | WEIGHT PERCENT | OSHA PEL-TWA | ACGIH TLV | VAPOR PRESSURE |
|--|------------|----------------|--------------|-----------|----------------|
| Nonyl Phenol                           | 84852-15-3 | 50-55          | N/E          | N/E       | < 1.00 mmHg    |
| Polyoxyalkyleneamine                   | 9046-10-0  | 30-35          | N/E          | N/E       | 1.00 mmHg      |
| Aminoethylpiperazine                   | 140-31-8   | 5-10           | N/E          | N/E       | N/E            |
| bis(2-ethylexyl) terephthalate         | 6422-86-2  | 5-10           | N/E          | N/E       | 1.00 mmHg      |
| 2,4,6-tris(dimethylamino)methyl phenol | 90-72-2    | 0-5            | N/E          | N/E       | N/E            |

N/A - Not Applicable N/E - Not Established

## Section C - Physical Data

Vapor Pressure See Section B  
Boiling Point > 200°F  
Evaporation Rate Slower than ethyl ether

Vapor Density Heavier than air  
Percent Volatile by Volume 0%  
Weight Per Gallon 9.00 lbs/gal

## Section D - Fire and Explosion Data

OSHA Flammability Class Combustible Liquid - Class III B  
Extinguishing Media Foam, water spray, carbon dioxide, and dry chemical  
Lower Explosion Limit 1.5  
Flash Point > 200 °F

Hazardous Decomposition Products Fumes may be produced when material is heated to decomposition. Fumes may contain carbon monoxide, carbon dioxide, various hydrocarbons, and irritating acid fumes.

Special Fire fighting Procedures Use full protective equipment including NIOSH-approved self-contained breathing apparatus. Water may be used to cool containers to prevent pressure build-up which may rupture containers.

Unusual Fire and Explosion Hazards At elevated temperatures, such as in a fire, polymerization may take place. If polymerization takes place in a closed container, may cause rupture. Product vapors may form an explosive mixture in air. Polymerization evolves large quantities of heat which could cause a fire if uncontrolled.

## Section E - Reactivity Data

Stability Stable  
Incompatible Materials Strong oxidizers, acids, bases and epoxy resins under uncontrolled conditions

Hazardous Polymerization Will Not Occur  
Conditions To Avoid Heat, warm storage, and avoid incompatible materials

## Section F - Spill and Leak Procedures

If Material Is Spilled Remove all sources of ignition. Ventilate the area. Wear protective equipment (See Section H). Avoid breathing vapors. Contain spill. Collect with inert absorbent and remove. Dispose of properly.

Waste Disposal Procedures Dispose of in accordance with federal, state, and local regulations. Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Before attempting clean-up or disposing of material, refer to hazard information in other sections of this sheet.

## Section G - Health Hazard Data

## **Chronic Effects Of Overexposure**

Overexposure to 2,4,6 tri (dimethylamino) methyl phenol can cause severe skin and eye irritation. Also moderately toxic by ingestion or skin contact.

## **Acute Effects Of Overexposure**

|            |  |
|------------|--|
| EYES       | Contact with liquid may result in irritation, redness, tearing, and possible chemical burns                                |
| SKIN       | Contact with wet material may be corrosive and may be a skin sensitizer  |
| INHALATION | Excessive inhalation of vapors may cause nasal and respiratory irritation, acute nervous system depression, or lung injury |
| SWALLOWING | Ingestion of this material may cause gastrointestinal irritation, nausea, diarrhea, and vomiting                           |

## **First Aid Procedures**

|              |   |
|--------------|---|
| IF IN EYES   | Flush immediately with large amounts of water for at least fifteen minutes. See physician for medical treatment.              |
| IF ON SKIN   | Immediately wash affected area with soap and water. Remove contaminated clothing. Consult a physician if irritation develops. |
| IF INHALED   | Remove person to fresh air. Restore breathing. Keep person warm and quiet. Treat symptomatically. Get medical attention.      |
| IF SWALLOWED | Keep person warm and quiet. Consult a physician or poison control center immediately.   |

## **Section H - Special Protection Information**

**Eye Protection** Splash goggles should be worn.

**Skin Protection** Protective gloves and proper clothing should be worn to prevent skin contact. Gloves should be made of neoprene or natural rubber. Barrier cream may be worn for additional skin protection.

**Respiratory Protection** Use NIOSH-approved respirators designed to remove particulate matter and organic solvent vapors.

**Ventilation** General dilution or local exhaust ventilation should be provided to keep exposures below acceptable limits (Section B) and to keep solvent vapors below the lower explosion limit.

**Other Protective Equipment** Impenetrable clothing should be worn to prevent prolonged or repeated contact of wet material with the skin.

**Hygienic Practices** Always wash hands after using this material, and before eating, drinking, or smoking.

## **Section I - Special Precautions**

**Precautions To Be Taken In Handling And Storage** Store material in a cool, well-ventilated area. Do not store at temperatures above 75 °F. Do not use or store near heat, sparks, or open flame. Keep containers tightly closed. Avoid contact with incompatible materials. Reaction with epoxy resins will release heat.

**Other Precautions** This product must be mixed with epoxy resin to use. Please refer to Material Safety Data Sheet for resin before using. If product is to be sanded, the PEL/TLV of 10 mg/m3 for nuisance dusts should be observed. Keep out of reach of children. Do not take internally. Avoid contact with eyes and skin.

## **Section J - Other Information**

The ingredients in this product are not considered to be carcinogenic by the IARC, NTP, or OSHA.

THE INFORMATION ACCUMULATED HEREIN HAS BEEN COMPILED FROM CURRENT SOURCES WHICH ARE BELIEVED TO BE ACCURATE AND RELIABLE. SINCE IT IS NOT POSSIBLE TO ANTICIPATE ALL CIRCUMSTANCES OF USE, RECIPIENTS ARE ADVISED TO CONFIRM, IN ADVANCE OF NEED, THAT THE INFORMATION IS CURRENT, APPLICABLE AND SUITABLE TO THEIR CIRCUMSTANCES.